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Muller HM Data Framescanner



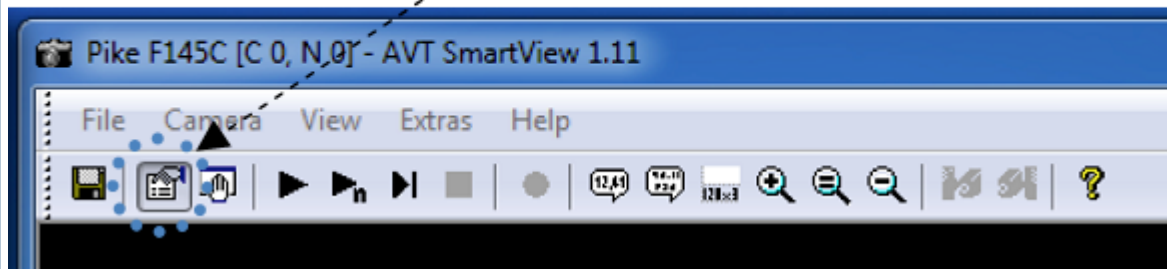
AVT Smartview settings
Pike 145

Version history

| Versie | Datum | Wijzigingen | Auteur | Distributie |
|--------|------------|-----------------|---------------|---------------------|
| 1.0 | 18-02-2011 | Initial version | Roel Eckhardt | Customers Müller HM |

Setup AVT Smartview

Setup



Use the SETUP button as shown above to enter the settings for the PIKE 145 camera.

Format



Format = F7 mode 0
Color = RAW16
ISO speed = S800
Debayering = 2x2 and GRBG

Frame buffers = 100

Width = 1328
Height = 1000

The "Max frame rate" for capturing is calculated for these settings. Be aware not to exceed this scanrate when scanning in order not to lose frames. When a lower width/height picture size is selected, the capture frame rate will be higher and vice versa. A size of 1328 x 1000 will give picture of around 3,6MB per frame.

Ctrl

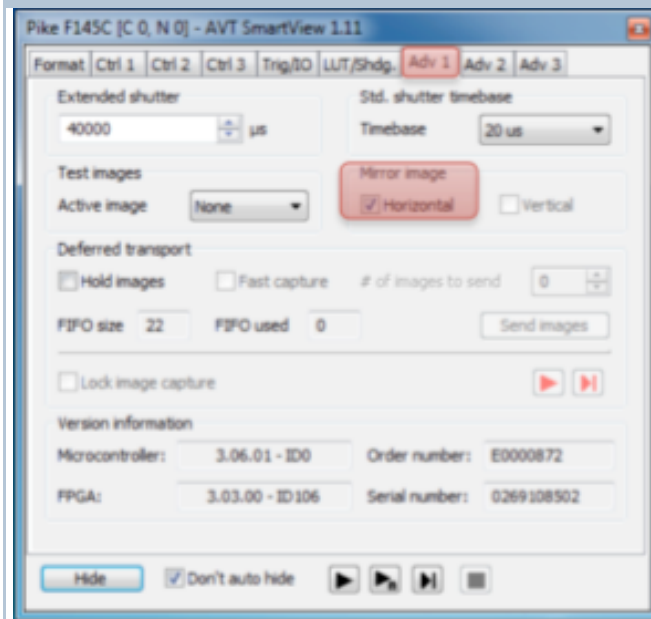
White Balance = on
Sharpness = 2

Trig/IO

Mode = Level mode(1)-Ext
Polarity = High act.

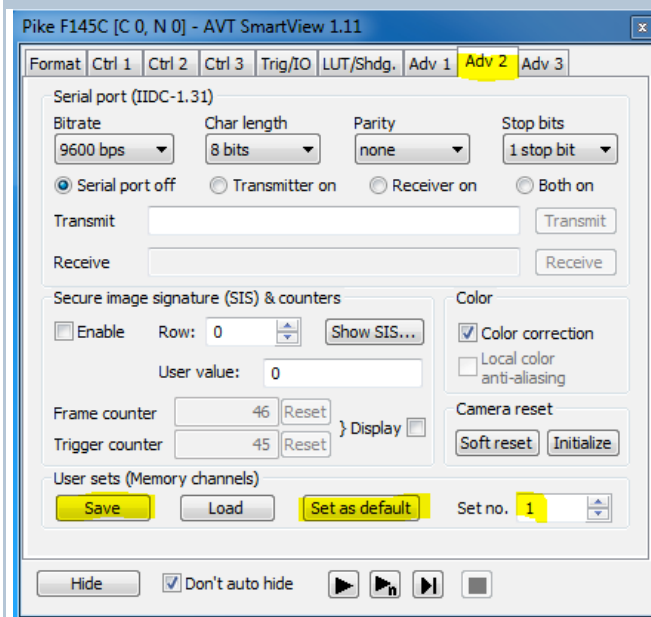
| Pin | Mode | Invert | State | Period | Width | Debounce |
|----------|-------------------|--------|-------|--------|-------|----------|
| Input 1 | Trigger | No | Low | n.a. | n.a. | 3 |
| Input 2 | Off | No | Low | n.a. | n.a. | 3 |
| Output 1 | IntegrationEnable | No | High | 20000 | 10000 | n.a. |
| Output 2 | Off | No | Low | 20000 | 10000 | n.a. |
| Output 3 | Busy | No | Low | 20000 | 10000 | n.a. |
| Output 4 | Off | No | Low | 20000 | 10000 | n.a. |

Adv 1



Mirror image = horizontal

Adv 2



All settings in AVT Smartview can be saved in a UserSet Memory Channel.

After entering all you settings you can save to Set No. 1 and/or 2, 3 etc.

You can set one of the Set No's as the default at startup.

For setting up the LUT / Gamma values see the document:
AVT Smartview settings – LUT-Gamma.pdf